



ASCENDUM

OIL ANALYSIS REPORT



Area
Ascendum Machinery
 Machine Id
VOLVO A30G ORT-30 (S/N A30GV752549)
 Component
Rear Right Final Drive
 Fluid
VOLVO SUPER GEAR OIL 75W-80-GO102 (1 GAL)

| | |
|-----------------|---------------|
| WEAR | NORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | ASC0001202 | VCP0000554 | --- |
| Sample Date | | Client Info | | 12 Oct 2023 | 13 Jun 2022 | --- |
| Machine Age | hrs | Client Info | | 2594 | 681 | --- |
| Oil Age | hrs | Client Info | | 1913 | 681 | --- |
| Filter Age | hrs | Client Info | | 0 | 0 | --- |
| Oil Changed | | Client Info | | Not Chngd | Changed | --- |
| Filter Changed | | Client Info | | N/A | N/A | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|-------|-----|
| Iron | ppm | ASTM D5185m | >900 | 325 | 158 | --- |
| Chromium | ppm | ASTM D5185m | >20 | 6 | 5 | --- |
| Nickel | ppm | ASTM D5185m | >10 | 4 | 2 | --- |
| Titanium | ppm | ASTM D5185m | | <1 | <1 | --- |
| Silver | ppm | ASTM D5185m | | 0 | <1 | --- |
| Aluminum | ppm | ASTM D5185m | >30 | 0 | <1 | --- |
| Lead | ppm | ASTM D5185m | >50 | 0 | <1 | --- |
| Copper | ppm | ASTM D5185m | >150 | 36 | 24 | --- |
| Tin | ppm | ASTM D5185m | >20 | 2 | 2 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | --- |
| White Metal | scalar | *Visual | NONE | NONE | MODER | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |

CONTAMINATION

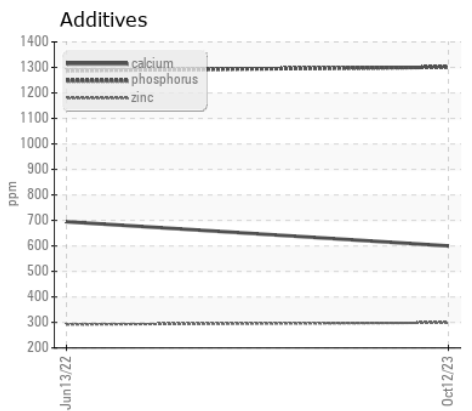
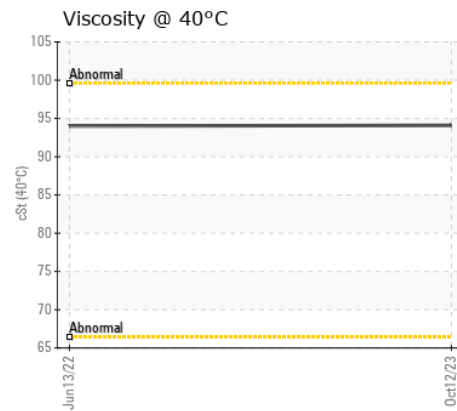
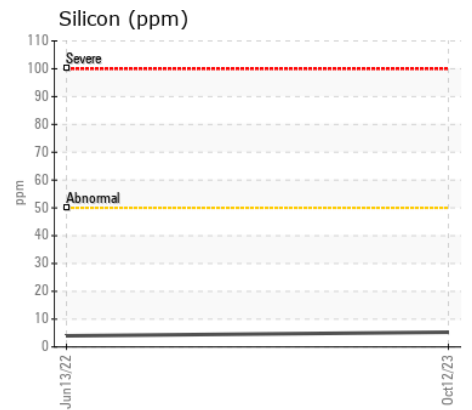
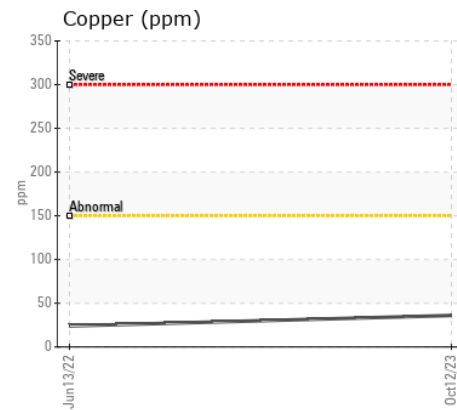
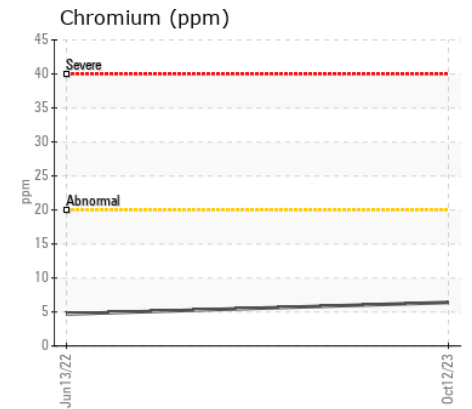
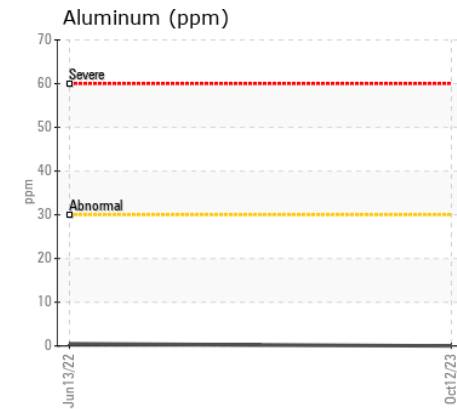
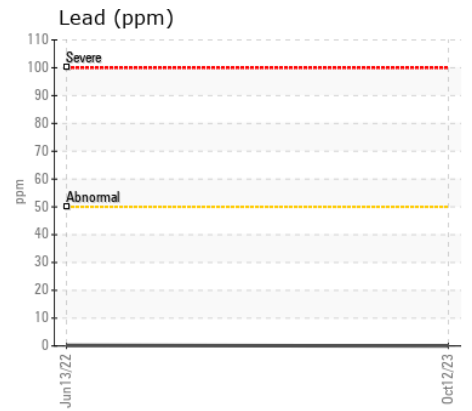
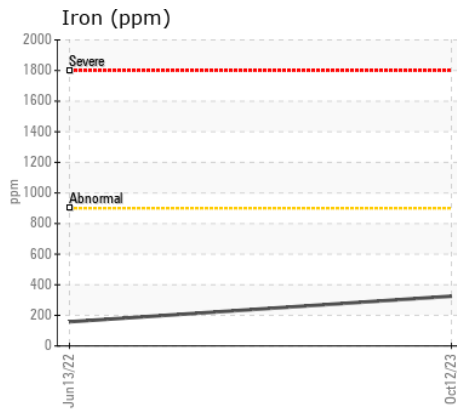
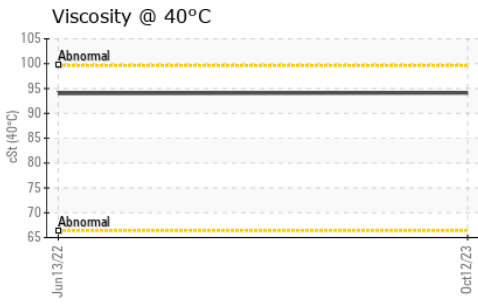
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >50 | 5 | 4 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 4 | 2 | --- |
| Water | | WC Method | >0.2 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | NONE | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.2 | NEG | NEG | --- |

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

| | | | | | | |
|-------------|-----|-------------|--|--------------|-------|-----|
| Sodium | ppm | ASTM D5185m | | <1 | 2 | --- |
| Boron | ppm | ASTM D5185m | | 240 | 322 | --- |
| Barium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | | 8 | 6 | --- |
| Manganese | ppm | ASTM D5185m | | 15 | 11 | --- |
| Magnesium | ppm | ASTM D5185m | | 2 | 3 | --- |
| Calcium | ppm | ASTM D5185m | | 600 | 695 | --- |
| Phosphorus | ppm | ASTM D5185m | | 1301 | 1288 | --- |
| Zinc | ppm | ASTM D5185m | | 299 | 292 | --- |
| Sulfur | ppm | ASTM D5185m | | 24128 | 17642 | --- |
| Visc @ 40°C | cSt | ASTM D445 | | 94.1 | 94.0 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : ASC0001202

Lab Number : 05978554

Unique Number : 10695849

Test Package : MOBCE

Received : 13 Oct 2023

Tested : 15 Oct 2023

Diagnosed : 17 Oct 2023 - Don Baldrige

PEDULLA EXCAVATING & PAVING

1275 SHINN FARM RD

MOORESVILLE, NC

US 28115

Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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F: